

# ACT Profile Report - State

Graduating Class 2012  
Tennessee



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ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2012 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2012 and tested under standard time conditions.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](http://www.act.org/standard/infoserv.html).

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

16% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 68,095 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 65% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 2% were college ready. 30% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 44% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 19% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 24% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 64% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

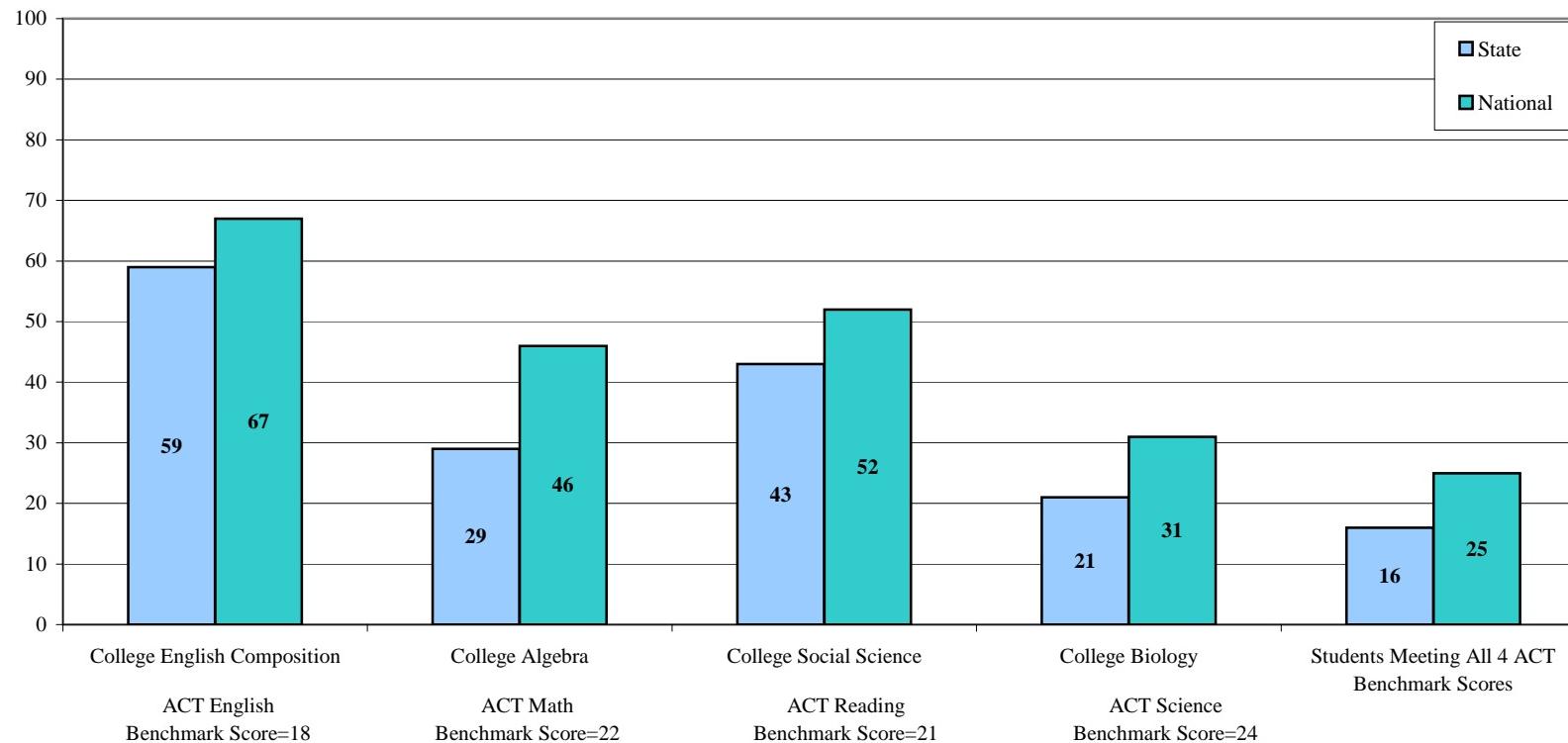
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS:** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

# Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Figure 1.1. Percent of Your Students Ready for College-Level Coursework**

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

**Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks**

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	50,225	1,421,941	70	68	33	43	51	53	23	28	18	22
2009	52,052	1,480,469	69	67	33	42	50	53	24	28	18	23
2010	66,552	1,568,835	59	66	27	43	43	52	20	29	16	24
2011	68,524	1,623,112	58	66	27	45	41	52	20	30	15	25
<b>2012</b>	<b>68,095</b>	<b>1,666,017</b>	<b>59</b>	<b>67</b>	<b>29</b>	<b>46</b>	<b>43</b>	<b>52</b>	<b>21</b>	<b>31</b>	<b>16</b>	<b>25</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	50,225	1,421,941	20.8	20.6	19.9	21.0	21.1	21.4	20.3	20.8	20.7	21.1
2009	52,052	1,480,469	20.7	20.6	19.8	21.0	21.0	21.4	20.4	20.9	20.6	21.1
2010	66,552	1,568,835	19.4	20.5	19.0	21.0	19.9	21.3	19.6	20.9	19.6	21.0
2011	68,524	1,623,112	19.4	20.6	19.0	21.1	19.7	21.3	19.4	20.9	19.5	21.1
<b>2012</b>	<b>68,095</b>	<b>1,666,017</b>	<b>19.6</b>	<b>20.5</b>	<b>19.1</b>	<b>21.1</b>	<b>19.9</b>	<b>21.3</b>	<b>19.6</b>	<b>20.9</b>	<b>19.7</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested		Average ACT Scores								
			English		Mathematics		Reading				
	State	National	State	National	State	National	State	National	State	National	
2008	1,421,941		20.6		21.0		21.4		20.8		21.1
2009	1,480,469		20.6		21.0		21.4		20.9		21.1
2010	1,568,835		20.5		21.0		21.3		20.9		21.0
2011	1,623,112		20.6		21.1		21.3		20.9		21.1
<b>2012</b>	<b>1,666,017</b>		<b>20.5</b>		<b>21.1</b>		<b>21.3</b>		<b>20.9</b>		<b>21.1</b>

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Year	Number of Students Tested		Percent <sup>2</sup>		English		Mathematics		Reading		Science		Composite	
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2008	33,031	15,344	66	31	21.6	19.1	20.5	18.5	21.8	19.8	20.9	19.1	21.3	19.2
2009	37,297	13,918	72	27	21.6	18.7	20.5	18.2	21.7	19.3	21.0	18.8	21.3	18.9
2010	41,629	22,318	63	34	21.1	16.9	20.1	17.3	21.3	17.8	20.8	17.8	20.9	17.6
2011	43,774	22,054	64	32	20.9	16.9	20.0	17.3	21.0	17.7	20.5	17.6	20.7	17.5
<b>2012</b>	<b>44,352</b>	<b>20,918</b>	<b>65</b>	<b>31</b>	<b>21.0</b>	<b>17.1</b>	<b>20.0</b>	<b>17.5</b>	<b>21.0</b>	<b>18.0</b>	<b>20.6</b>	<b>17.9</b>	<b>20.8</b>	<b>17.7</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

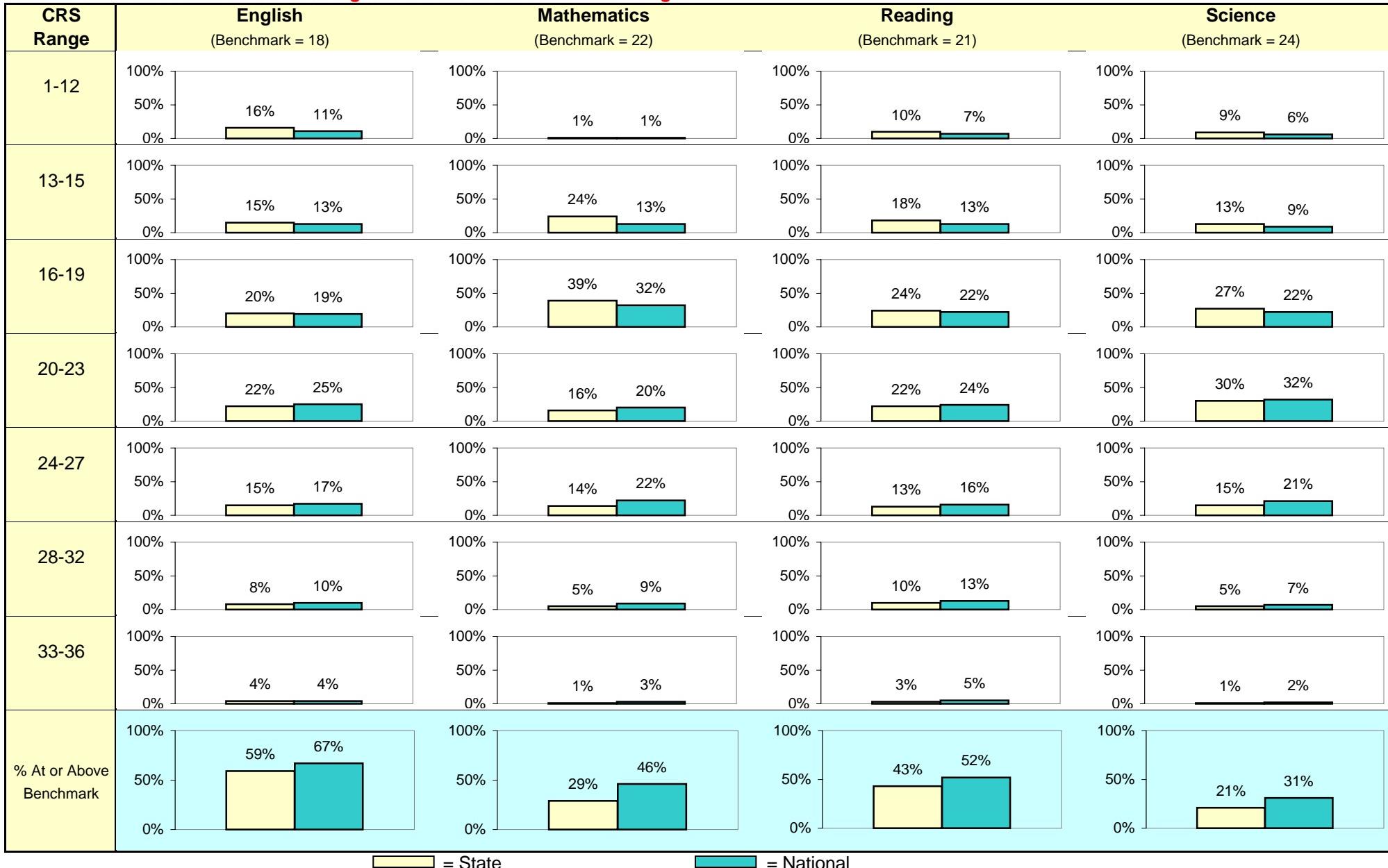
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2008			2009			2010			2011			2012		
	N	%	Avg												
All Students	50,225	100	20.7	52,052	100	20.6	66,552	100	19.6	68,524	100	19.5	68,095	100	19.7
Black/African American	9,594	19	17.0	10,283	20	16.9	13,267	20	16.3	14,215	21	16.3	13,748	20	16.4
American Indian/Alaska Native	155	0	20.3	179	0	19.9	257	0	18.9	275	0	18.6	249	0	18.1
White	35,402	70	21.6	36,911	71	21.6	45,980	69	20.6	46,104	67	20.5	45,546	67	20.7
Hispanic/Latino	1,146	2	19.5	1,220	2	19.2	2,044	3	18.0	2,682	4	18.2	3,286	5	18.3
Asian	904	2	22.5	876	2	22.9	1,128	2	22.5	1,108	2	22.3	1,093	2	22.4
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	28	0	20.0	84	0	20.1
Two or more races	644	1	20.8	859	2	20.7	1,282	2	19.7	1,345	2	19.8	1,610	2	20.2
Prefer not to respond/No response	2,380	5	21.2	1,724	3	20.8	2,594	4	19.1	2,767	4	19.0	2,479	4	19.0

<sup>1</sup>Refer to the section header on page 5 for a description of race/ethnicity changes.

**Table 1.6. Percent of Students in College Readiness Standards Score Ranges**



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# Section II

# Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 68,095

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	197	100	106	100	364	100	158	100	26	100	36
35	785	100	193	100	419	99	196	100	129	100	35
34	945	99	303	100	596	99	179	99	251	100	34
33	844	97	395	99	923	98	233	99	361	99	33
32	976	96	346	99	1,133	97	346	99	576	99	32
31	962	94	416	98	1,401	95	536	98	747	98	31
30	1,293	93	535	97	1,284	93	622	98	1,055	97	30
29	1,257	91	798	97	1,397	91	686	97	1,247	95	29
28	1,232	89	1,076	95	1,406	89	1,098	96	1,479	94	28
27	2,143	88	1,653	94	1,910	87	1,727	94	1,847	91	27
26	2,063	84	2,230	91	1,800	84	1,765	92	2,165	89	26
25	2,389	81	2,491	88	1,943	81	3,074	89	2,617	85	25
24	3,422	78	3,103	85	3,409	79	3,684	84	2,903	82	24
23	3,091	73	3,092	80	2,801	74	4,225	79	3,418	77	23
22	3,556	68	2,917	75	3,833	69	4,023	73	3,913	72	22
21	4,417	63	2,207	71	4,326	64	5,849	67	4,511	67	21
20	3,871	57	2,855	68	4,040	57	6,459	58	4,431	60	20
19	3,981	51	3,537	64	4,169	52	5,376	49	4,980	53	19
18	2,893	45	4,799	59	4,387	45	4,794	41	5,038	46	18
17	2,915	41	6,653	51	3,546	39	3,730	34	4,943	39	17
16	4,005	37	11,416	42	3,961	34	4,192	28	4,954	32	16
15	4,221	31	10,431	25	4,377	28	3,341	22	4,803	24	15
14	3,565	24	4,359	10	4,846	22	2,977	17	4,428	17	14
13	2,465	19	1,697	3	2,828	14	2,697	13	3,752	11	13
12	2,320	16	327	1	3,600	10	2,660	9	2,415	5	12
11	2,593	12	114	1	1,757	5	1,440	5	897	2	11
10	2,277	8	22	1	978	2	1,316	3	153	1	10
9	1,392	5	5	1	363	1	449	1	36	1	9
8	1,317	3	12	1	168	1	166	1	12	1	8
7	502	1	0	1	45	1	61	1	4	1	7
6	145	1	5	1	46	1	21	1	3	1	6
5	43	1	0	1	29	1	7	1	1	1	5
4	7	1	2	1	2	1	3	1	0	1	4
3	8	1	0	1	2	1	5	1	0	1	3
2	2	1	0	1	3	1	0	1	0	1	2
1	1	1	0	1	3	1	0	1	0	1	1
Avg (SD)	19.6 (6.6)		19.1 (4.8)		19.9 (6.1)		19.6 (5.1)		19.7 (5.1)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages**

ACT Scale Score	English				Reading				Mathematics				ACT Scale Score		
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	2,294	100	737	100	1,128	100	1,436	100	1,637	100	343	100	360	100	18
17	2,754	97	930	99	2,275	98	2,234	98	1,822	98	241	99	85	99	17
16	2,780	93	3,140	98	3,096	95	2,884	95	1,203	95	1,048	99	1,173	99	16
15	2,395	89	3,294	93	2,516	90	3,217	90	2,528	93	1,412	98	1,832	98	15
14	3,409	85	4,130	88	3,359	87	3,864	86	2,879	89	3,215	96	3,062	95	14
13	2,660	80	4,644	82	4,902	82	4,208	80	4,815	85	5,124	91	3,574	90	13
12	4,763	76	6,126	75	6,062	75	4,886	74	4,789	78	4,271	83	6,302	85	12
11	5,610	69	7,211	66	5,363	66	4,883	67	6,296	71	6,986	77	5,432	76	11
10	7,205	61	5,771	56	6,463	58	5,863	59	5,088	62	10,935	67	9,875	68	10
9	5,829	50	8,847	47	7,975	48	6,716	51	4,507	54	9,926	51	8,510	53	9
8	6,104	42	6,127	34	8,177	37	6,239	41	9,624	48	10,928	36	10,669	41	8
7	5,697	33	5,296	25	7,084	25	5,299	32	12,055	34	4,525	20	5,221	25	7
6	5,038	24	4,401	17	4,469	14	6,957	24	6,355	16	4,213	13	6,177	18	6
5	4,753	17	3,189	11	2,815	8	4,824	14	2,862	7	3,100	7	1,884	9	5
4	3,712	10	2,665	6	1,553	4	2,833	7	1,034	2	219	3	2,080	6	4
3	2,299	5	1,282	2	591	1	1,235	3	451	1	1,218	2	824	3	3
2	723	1	272	1	219	1	496	1	129	1	27	1	684	2	2
1	70	1	33	1	48	1	21	1	21	1	364	1	351	1	1
Avg (SD)	9.7 (4.1)		10.0 (3.5)		10.1 (3.5)		9.8 (3.9)		9.7 (3.4)		9.6 (2.9)		9.3 (3.0)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	24	22	24	23	23
Q2 (50th Percentile)	19	17	19	20	19
Q1 (25th Percentile)	15	16	15	16	16

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity<sup>1</sup> by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>2</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	68,095	65	20.8	17.7
	Black/African American	13,748	65	17.2	15.2
	American Indian/Alaska Native	249	58	19.4	16.2
	White	45,546	66	21.9	18.5
	Hispanic/Latino	3,286	61	19.6	16.6
	Asian	1,093	74	23.4	19.8
	Native Hawaiian/Other Pac. Isl.	84	61	21.5	17.9
	Two or more races	1,610	68	21.1	18.6
	Prefer not/No Response	2,479	55	20.9	17.3
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.<sup>2</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.**Table 2.5. Average ACT Scores by Race/Ethnicity<sup>1</sup>**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	19.6	19.1	19.9	19.6	19.7
	Black/African American	15.7	16.4	16.4	16.7	16.4
	American Indian/Alaska Native	17.6	17.8	18.4	18.1	18.1
	White	20.8	19.9	21.0	20.5	20.7
	Hispanic/Latino	17.6	18.1	18.5	18.4	18.3
	Asian	21.9	23.2	21.8	22.3	22.4
	Native Hawaiian/Other Pac. Isl.	20.0	19.2	20.4	20.1	20.1
	Two or more races	20.3	19.4	20.7	20.1	20.2
	Prefer not/No Response	18.6	18.5	19.4	18.8	19.0
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.

**Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	2,771	4	997	1	2,302	3	766	1
	28 to 32	5,720	8	3,171	5	6,621	10	3,288	5
	24 to 27	10,017	15	9,477	14	9,062	13	10,250	15
	20 to 23	14,935	22	11,071	16	15,000	22	20,556	30
	16 to 19	13,794	20	26,405	39	16,063	24	18,092	27
	13 to 15	10,251	15	16,487	24	12,051	18	9,015	13
	01 to 12	10,607	16	487	1	6,996	10	6,128	9
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	Average ACT Scores						
		N	Percent	English	Mathematics	Reading	Science	Composite
State	Males	33,084	49	19.0	19.4	19.6	19.8	19.5
	Females	34,685	51	20.2	18.9	20.3	19.4	19.8
	Missing	326	0	14.1	15.8	15.8	16.0	15.6
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	17.5

**Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	55	31	40	24	18	
	Females	63	27	45	19	15	
National	Males	64	50	51	35	29	
	Females	69	42	53	27	22	

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	44,352	69	21.0	36	20.0	50	21.0	26	20.6	21	20.8
	Less than Core	20,918	43	17.1	16	17.5	29	18.0	11	17.9	8	17.7
	Missing <sup>3</sup>	2,825	25	14.5	8	16.2	18	16.0	6	16.1	4	15.8
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.<sup>2</sup> "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.<sup>3</sup> Zero years or no coursework information reported in one or more content areas.<sup>4</sup> Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	61,589	63	20.1	61,079	32	19.5	55,908	47	20.5	52,554	24	20.2
	Less than Core	4,161	27	14.7	4,546	2	15.4	9,651	24	17.3	12,971	11	17.8
	Missing <sup>3</sup>	2,345	27	14.7	2,470	9	16.3	2,536	19	16.1	2,570	7	16.2
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.<sup>2</sup> "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

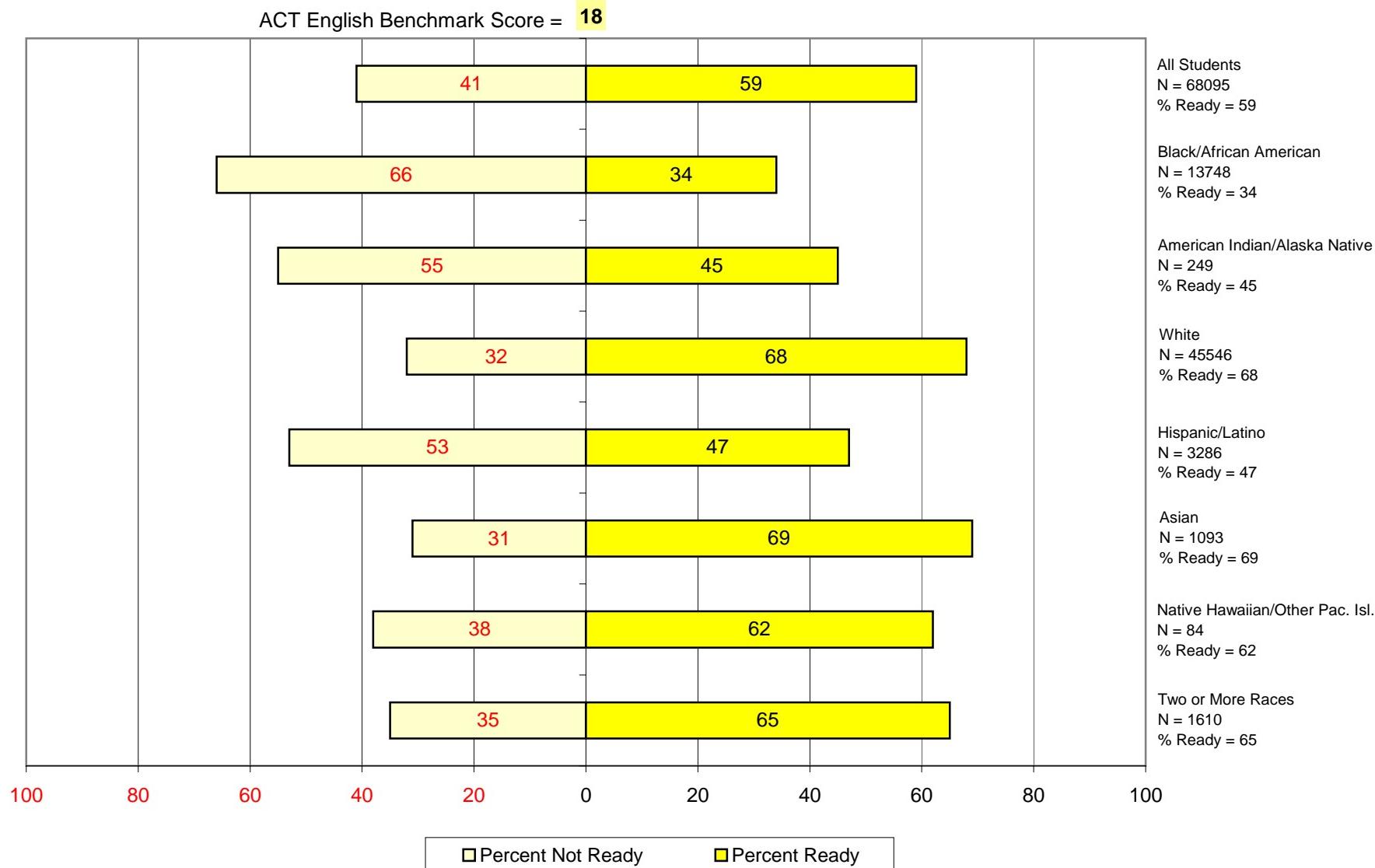
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

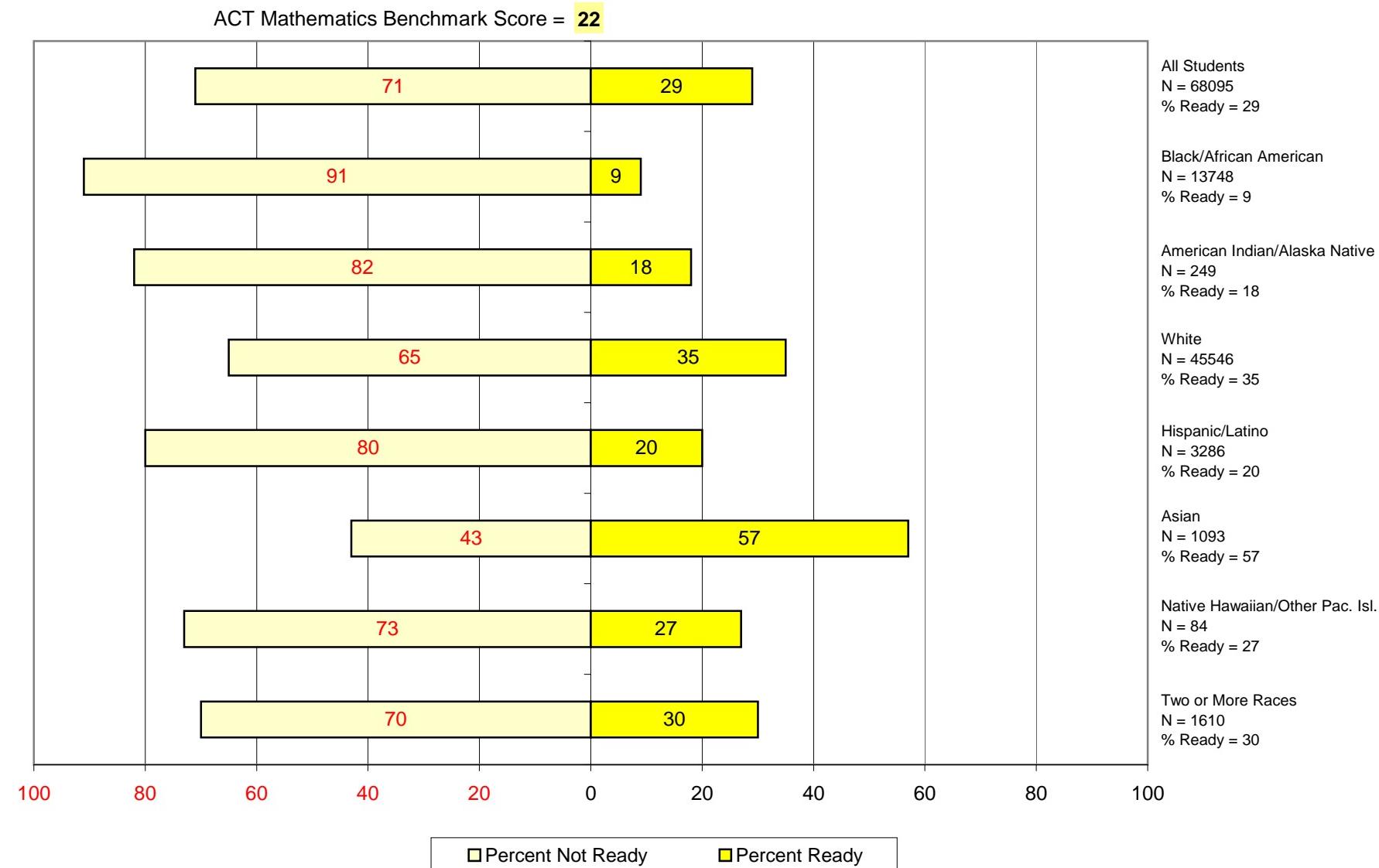
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

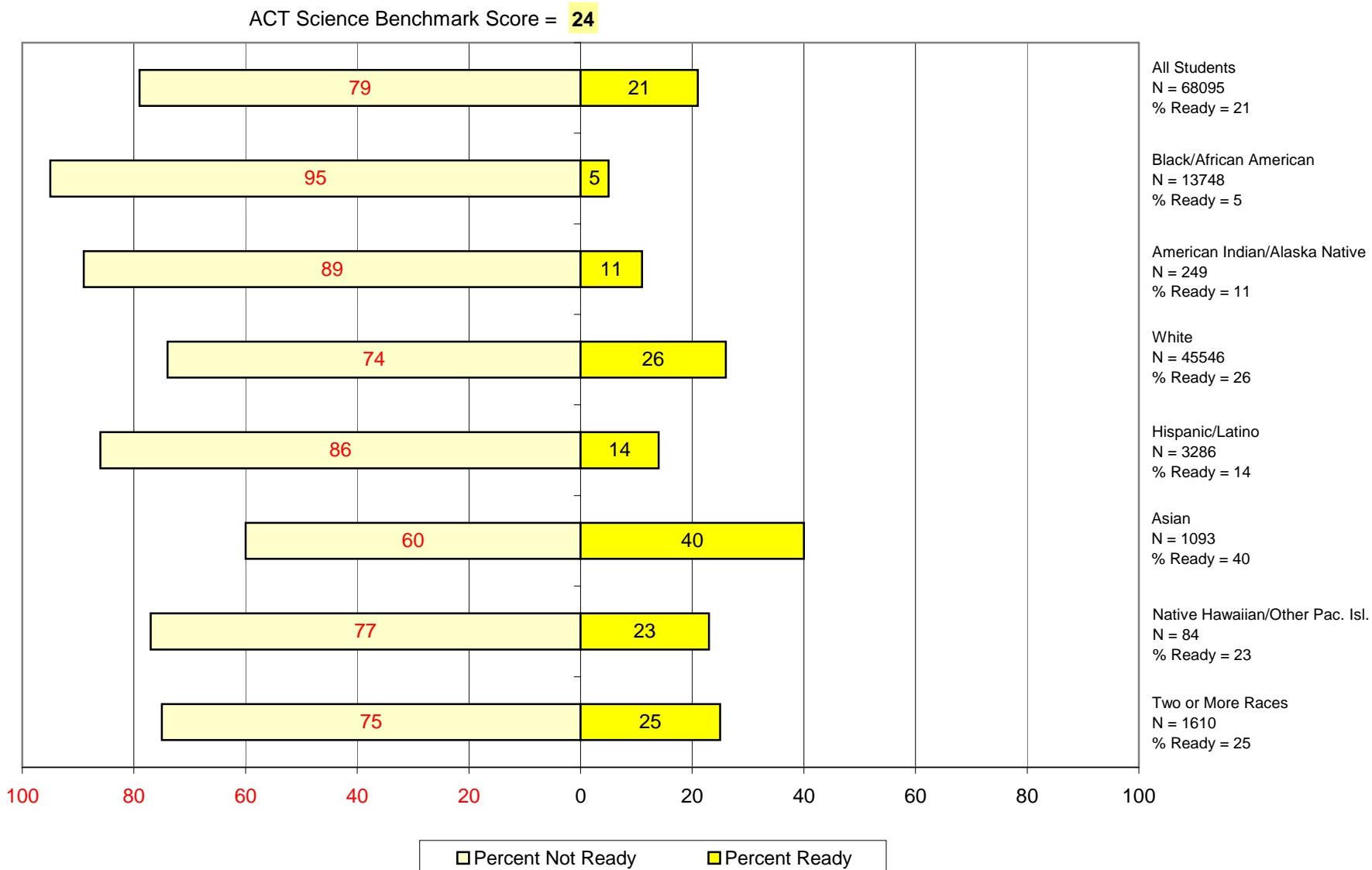
## College Readiness and the Impact of Course Rigor

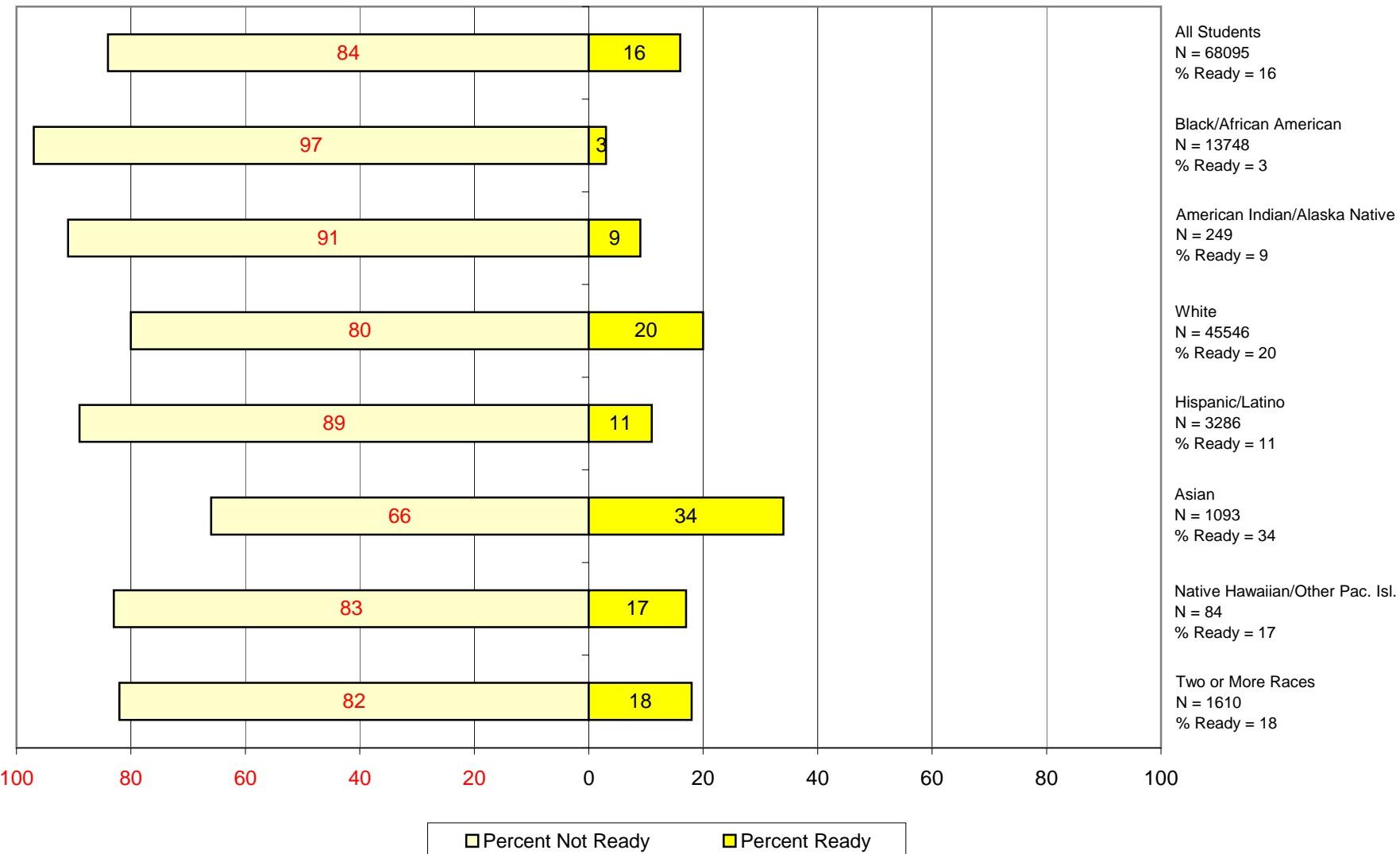
Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ENGLISH**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: MATHEMATICS**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: SCIENCE**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ALL FOUR**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns**

Course Pattern	All Students					Males					Females				
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>			
ENGLISH COURSE PATTERN															
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,625	14	22.1	7.4	4,152	13	21.4	7.2	5,465	16	22.7	7.3			
Eng 9, Eng 10, Eng 11, Eng 12	51,964	76	19.7	5.0	25,276	76	19.2	5.0	26,579	77	20.1	4.7			
Less than 4 years of English	4,161	6	14.7	-	2,417	7	14.2	-	1,714	5	15.4	-			
Zero years / no English courses reported	2,345	3	14.7	-	1,239	4	14.3	-	927	3	15.5	-			
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>			
Alg 1, Alg 2, Geom, Trig, & Calc	2,297	3	22.0	6.6	1,152	3	22.9	7.4	1,141	3	21.1	5.8			
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,189	8	21.2	5.8	2,093	6	21.6	6.1	3,093	9	20.9	5.6			
Alg 1, Alg 2, Geom, & Trig	5,574	8	18.7	3.3	2,626	8	19.0	3.5	2,936	8	18.4	3.1			
Alg 1, Alg 2, Geom, & Other Adv Math	10,720	16	19.8	4.4	4,475	14	20.0	4.5	6,233	18	19.6	4.3			
Other comb of 4 or more years of Math	14,379	21	22.7	7.3	7,381	22	23.3	7.8	6,987	20	22.1	6.8			
Alg 1, Alg 2, & Geom	20,295	30	16.6	1.2	9,970	30	16.8	1.3	10,260	30	16.4	1.1			
Other comb of 3 or 3.5 years of Math	2,625	4	18.7	3.3	1,328	4	18.9	3.4	1,291	4	18.4	3.1			
Less than 3 years of Math	4,546	7	15.4	-	2,747	8	15.5	-	1,767	5	15.3	-			
Zero years / no Math courses reported	2,470	4	16.3	-	1,312	4	16.4	-	977	3	16.3	-			
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>			
US Hist, World Hist, Am Gov, & Other Hist	505	1	22.0	4.7	247	1	21.1	4.1	258	1	22.8	5.1			
Other comb of 4 or more years Social Science	27,103	40	21.1	3.8	12,451	38	21.0	4.0	14,618	42	21.3	3.6			
US Hist, World Hist, & Am Gov	1,336	2	18.2	0.9	776	2	18.0	1.0	556	2	18.4	0.7			
Other comb of 3 or 3.5 years of Social Science	26,964	40	20.0	2.7	12,611	38	19.8	2.8	14,307	41	20.2	2.5			
Less than 3 years of Social Science	9,651	14	17.3	-	5,641	17	17.0	-	3,950	11	17.7	-			
Zero years / no Social Science courses reported	2,536	4	16.1	-	1,358	4	15.8	-	996	3	16.6	-			
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>			
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	18,336	27	21.1	3.3	9,489	29	21.7	4.2	8,823	25	20.4	2.3			
Bio, Chem, Phys	3,261	5	23.7	5.9	1,748	5	24.6	7.1	1,510	4	22.7	4.6			
Gen Sci <sup>2</sup> , Bio, Chem	29,814	44	19.3	1.5	13,085	40	19.4	1.9	16,667	48	19.3	1.2			
Other comb of 3 years of Natural Science	1,143	2	17.6	-0.2	689	2	17.8	0.3	449	1	17.2	-0.9			
Less than 3 years of Natural Science	12,971	19	17.8	-	6,715	20	17.5	-	6,205	18	18.1	-			
Zero years / no Natural Science courses reported	2,570	4	16.2	-	1,358	4	16.1	-	1,031	3	16.4	-			

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	N	State			N	National		
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,625	14	22.1	75	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	51,964	76	19.7	60	1,178,400	71	20.5	67
Less than 4 years of English	4,161	6	14.7	27	64,748	4	16.5	41
Zero years / no English courses reported	2,345	3	14.7	27	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	2,297	3	22.0	52	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,189	8	21.2	49	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	5,574	8	18.7	24	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	10,720	16	19.8	34	279,658	17	19.9	36
Other comb of 4 or more years of Math	14,379	21	22.7	59	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	20,295	30	16.6	7	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	2,625	4	18.7	26	82,509	5	19.9	35
Less than 3 years of Math	4,546	7	15.4	2	69,741	4	16.6	8
Zero years / no Math courses reported	2,470	4	16.3	9	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	505	1	22.0	56	47,179	3	22.3	59
Other comb of 4 or more years Social Science	27,103	40	21.1	51	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	1,336	2	18.2	31	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	26,964	40	20.0	43	452,172	27	21.2	51
Less than 3 years of Social Science	9,651	14	17.3	24	149,266	9	19.7	40
Zero years / no Social Science courses reported	2,536	4	16.1	19	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	18,336	27	21.1	33	740,499	44	21.9	39
Bio, Chem, Phys	3,261	5	23.7	51	171,734	10	23.0	47
Gen Sci <sup>1</sup> , Bio, Chem	29,814	44	19.3	17	466,992	28	20.0	22
Other comb of 3 years of Natural Science	1,143	2	17.6	9	45,992	3	19.5	20
Less than 3 years of Natural Science	12,971	19	17.8	11	194,661	12	18.4	13
Zero years / no Natural Science courses reported	2,570	4	16.2	7	46,139	3	17.9	14

<sup>1</sup>Includes General, Physical and Earth Sciences.

# Section IV

# Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

**Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans**

Planned Educational Major <sup>1</sup>	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>2</sup>	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,543	2	18.0	293	4	15.3	1,144	2	18.9
Architecture	777	1	20.1	69	1	16.0	656	1	20.6
Area, Ethnic, & Multidisciplinary Studies	115	0	20.7	15	0	15.5	90	0	21.9
Arts: Visual & Performing	5,286	8	19.5	680	10	16.1	4,209	8	20.1
Business	4,839	7	19.8	521	7	15.9	4,079	8	20.3
Communications	1,232	2	20.9	56	1	16.3	1,125	2	21.3
Community, Family, & Personal Services	3,057	4	17.3	762	11	15.9	2,037	4	17.9
Computer Science & Mathematics	1,345	2	20.9	142	2	16.4	1,130	2	21.5
Education	3,542	5	20.0	201	3	15.7	3,205	6	20.3
Engineering	3,971	6	21.9	371	5	15.3	3,415	7	22.7
Engineering Technology & Drafting	1,171	2	18.6	303	4	15.8	793	2	19.9
English & Foreign Languages	786	1	23.5	37	1	18.0	712	1	23.8
Health Administration & Assisting	1,929	3	17.5	280	4	15.9	1,546	3	17.9
Health Sciences & Technologies	15,247	22	20.1	1,063	15	16.4	13,674	26	20.4
Philosophy, Religion, & Theology	417	1	21.9	17	0	17.7	369	1	22.1
Repair, Production, & Construction	1,473	2	16.5	754	11	15.7	526	1	17.9
Sciences: Biological & Physical	2,943	4	22.6	58	1	16.2	2,777	5	22.8
Social Sciences & Law	5,001	7	20.8	221	3	16.6	4,586	9	21.1
Undecided	6,862	10	20.8	613	9	16.2	5,348	10	21.6
No Response	6,265	9	15.8	496	7	14.0	585	1	15.8

<sup>1</sup>Refer to the section header on page 25 for a description of educational major changes.<sup>2</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.<sup>3</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic<sup>1</sup> Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2,500	15.5	447	13.9	9	13.2	1,789	16.0	119	15.1
2-yr College Degree	4,549	16.0	892	14.2	24	15.1	3,114	16.6	252	15.5
Bachelors Degree	30,409	19.3	6,376	16.2	98	18.2	20,709	20.3	1,390	18.3
Graduate Study	7,798	22.9	1,026	18.2	21	20.0	5,854	23.8	298	21.4
Prof. Level Degree	13,952	22.2	2,933	18.6	54	20.9	8,868	23.3	683	20.6
Other	1,925	16.6	305	14.7	18	17.0	1,323	17.1	128	15.4
No Response	6,962	17.1	1,769	14.4	25	15.4	3,889	18.4	416	16.0

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2,500	15.5	25	16.1	4	15.8	37	16.0	70	14.1
2-yr College Degree	4,549	16.0	36	15.4	3	17.0	67	16.7	161	15.3
Bachelors Degree	30,409	19.3	348	19.5	36	19.7	670	19.6	782	18.8
Graduate Study	7,798	22.9	141	24.2	7	22.1	174	22.7	277	22.0
Prof. Level Degree	13,952	22.2	434	25.7	22	21.9	464	22.0	494	22.9
Other	1,925	16.6	25	17.8	3	22.0	37	18.4	86	16.9
No Response	6,962	17.1	84	21.1	9	18.0	161	17.9	609	16.4

<sup>1</sup>Refer to the section header on page 25 for a description of race/ethnicity changes.

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF TENNESSEE-KNOXVILLE	Tennessee	12,915	4,966	7,949	1	8	21	30	25	13	1
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	10,479	3,442	7,037	3	16	33	29	14	4	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	7,354	1,814	5,540	2	10	28	33	20	7	0
UNIVERSITY OF MEMPHIS	Tennessee	5,962	2,240	3,722	6	22	32	24	12	4	0
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	5,777	2,048	3,729	2	14	29	29	18	8	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	5,323	5,322	1	10	31	32	17	7	3	1
EAST TENNESSEE STATE UNIVERSITY	Tennessee	4,950	1,735	3,215	2	13	29	32	18	6	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	3,893	1,173	2,720	2	14	35	30	15	4	0
AUSTIN PEAY STATE UNIVERSITY	Tennessee	3,709	1,450	2,259	3	16	34	30	13	4	0
VANDERBILT UNIVERSITY	Tennessee	3,609	890	2,719	2	9	19	21	21	23	4
TENNESSEE STATE UNIVERSITY	Tennessee	3,280	785	2,495	10	34	38	14	4	1	0
BELMONT UNIVERSITY	Tennessee	2,266	620	1,646	2	7	19	29	26	16	1
CARSON-NEWMAN COLLEGE	Tennessee	2,006	461	1,545	2	14	32	31	17	5	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,687	666	1,021	4	18	34	30	11	3	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,560	680	880	4	26	38	23	8	2	0
STATE-NO COLLEGE PLANS	Iowa	1,465	1,465	0	22	45	25	6	2	0	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,457	483	974	16	40	28	12	4	1	0
LIPSCOMB UNIVERSITY	Tennessee	1,454	398	1,056	2	9	23	30	22	13	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,421	364	1,057	2	14	34	29	17	4	0
AUBURN UNIVERSITY	Alabama	1,370	378	992	2	7	15	22	28	22	4
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,274	514	760	4	20	42	24	8	1	0
ITT TECHNICAL INSTITUTE-KNOXVILLE	Tennessee	1,272	372	900	11	36	35	14	3	1	0
UNIVERSITY OF MISSISSIPPI	Mississippi	1,258	353	905	3	11	21	27	25	12	1
UNIVERSITY OF ALABAMA	Alabama	1,254	374	880	1	5	15	28	27	21	3
MISSISSIPPI STATE UNIVERSITY	Mississippi	1,229	371	858	3	12	20	27	25	12	1
NCAA ELIGIBILITY CENTER	Indiana	1,201	595	606	4	17	30	28	14	7	1
CHATTANOOGA ST TECH COMM COLL	Tennessee	1,194	488	706	7	29	37	20	6	1	0
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,191	475	716	4	20	39	27	8	1	0
NORTHEAST STATE TECHNICAL COMM COLLEGE	Tennessee	1,133	493	640	4	22	39	26	7	2	0
UNION UNIVERSITY	Tennessee	1,094	322	772	2	9	18	32	24	14	1
All Other Institutions		59,190	15,846	43,344	5	19	28	22	15	10	2
Total		153,227	51,583	101,644	4	17	28	25	16	8	1

# Section V

# Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity<sup>1</sup> and Gender for students who took ACT Writing**

	N		English		Average ACT Scores		English/Writing Combined	
	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>7,990</b>	<b>931,148</b>	<b>25.5</b>	<b>21.5</b>	<b>7.4</b>	<b>7.1</b>	<b>23.9</b>	<b>20.7</b>
Black/African American	1,228	113,247	20.3	16.6	6.9	6.2	19.7	16.4
American Indian/Alaska Native	21	5,233	24.5	17.8	7.2	6.5	23.0	17.5
White	5,449	518,974	26.6	23.2	7.5	7.2	24.9	22.1
Hispanic/Latino	348	150,249	23.1	18.5	7.2	6.8	22.1	18.3
Asian	340	53,381	27.4	23.7	7.8	7.6	25.7	22.8
Native Hawaiian/Other Pac. Isl.	7	2,851	29.4	19.9	8.3	7.1	27.7	19.6
Two or more races	267	32,346	24.9	21.9	7.4	7.1	23.6	21.1
Prefer not/No Response	330	54,867	26.3	21.8	7.4	7.1	24.6	21.0
Males	3,510	413,617	25.6	21.2	7.2	6.8	23.8	20.3
Females	4,480	515,745	25.4	21.7	7.5	7.2	24.0	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

<sup>1</sup>Refer to the section header on page 29 for a description of race/ethnicity changes.



